| ****** | ex of Cl |  |
|--------|----------|--|
|        |          |  |

| App | lication | /Control | No. |
|-----|----------|----------|-----|
|-----|----------|----------|-----|

Examiner

10/813,433

Ryan P. Fiegle

Applicant(s)/Patent under Reexamination

KNOWLES, SIMON

Art Unit

2183

| <b>√</b> | Rejected |
|----------|----------|
| 11       | Allowed  |

| 1 | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          |                            | Ц        | Ь             |              |              |              | ļ        |               | Щ.       |           |  |
|----------|----------------------------|----------|---------------|--------------|--------------|--------------|----------|---------------|----------|-----------|--|
|          | <del></del>                |          |               |              |              |              |          |               |          |           |  |
| Cla      | ım                         | <u> </u> |               |              | [            | Date         | 9        |               |          | $\dashv$  |  |
| Final    | Original                   | 5/11/06  |               |              |              |              |          |               |          |           |  |
|          |                            |          | _             | <u> </u>     | _            | _            |          |               | _        | Н         |  |
|          | -                          | 1        | -             | <del> </del> | $\vdash$     | H            | -        | -             | _        | Н         |  |
|          | ~                          | 7 7      | -             | $\vdash$     | $\vdash$     | H            | ┝        |               | $\vdash$ | Н         |  |
|          | 4                          | 1        | ┝             | -            | $\vdash$     | -            | ┝        | _             | -        | Н         |  |
|          | 5                          | j        | ┢             | ┢            | ┢            | $\vdash$     | ┝╌       | _             | -        | Н         |  |
|          | 1<br>2<br>3<br>4<br>5<br>6 | 7 7 7    | -             |              | H            |              |          |               |          |           |  |
|          | 7                          |          |               | i –          |              | Г            |          |               |          |           |  |
|          | 8                          | 1        | $\vdash$      | _            |              |              |          |               | _        |           |  |
|          | 9                          | 1        |               |              |              |              |          |               |          |           |  |
|          | 10                         | 1        |               |              |              |              |          |               |          |           |  |
| igsqcup  | 10<br>11                   | Ý        | L             | <u> </u>     |              | $oxed{oxed}$ | <u> </u> |               | _        | Ш         |  |
| <u> </u> | 12                         | 1        | _             | ļ            | L_           | Ш            | L_       | L             |          | Ш         |  |
|          | 12<br>13<br>14<br>15       | 7        | <del> </del>  | <u> </u>     |              | $\vdash$     | -        | _             | <u> </u> | Ш         |  |
|          | 15                         | 1        | -             | <u> </u>     | $\vdash$     | <u> </u>     | _        | _             | <u> </u> | Н         |  |
|          | 16                         | 1        | $\vdash$      | -            | -            | $\vdash$     | -        | _             | -        | $\vdash$  |  |
|          | 16<br>17<br>18<br>19       | 1        | $\vdash$      | -            | $\vdash$     | $\vdash$     | _        |               |          | Н         |  |
|          | 18                         | J        | $\vdash$      |              |              |              | $\vdash$ |               |          | Н         |  |
|          | 19                         | V        |               |              |              |              |          |               |          |           |  |
|          | 20                         | 1        |               |              |              |              |          |               |          |           |  |
|          | 21<br>22<br>23             | 1        |               |              |              |              |          |               |          |           |  |
| $\Box$   | 22                         | 1        | L.,           |              |              |              |          |               |          |           |  |
|          | 23                         | 1        |               |              | ļ            |              | _        |               |          | $\square$ |  |
| $\vdash$ | 24                         | 1        |               | _            |              |              | -        |               |          | -         |  |
| $\vdash$ | 24<br>25<br>26<br>27<br>28 | 1        | -             |              |              | _            | H        | -             | _        | Н         |  |
|          | 27                         | Ť        |               |              |              |              | _        |               |          | Н         |  |
|          | 28                         | 1        |               |              |              |              |          |               |          |           |  |
|          | 29                         | Г        |               |              |              |              |          |               |          |           |  |
|          | 29<br>30<br>31             |          |               |              |              |              |          |               |          |           |  |
|          | 31                         |          | _             |              |              |              |          |               |          |           |  |
|          | 32<br>33                   | <u> </u> | L             | <u> </u>     | _            |              | <u> </u> | لسا           |          | Ш         |  |
| <b></b>  | 33                         | <u> </u> | <u> </u>      | <u> </u>     | <u> </u>     | <u> </u>     | <u> </u> |               | _        | Ш         |  |
|          | 34<br>35                   | $\vdash$ | <u> </u>      | <del> </del> | $\vdash$     | H            |          | Ь.            | -        | Н         |  |
| -        | 36                         | $\vdash$ | <del> -</del> |              | $\vdash$     | -            | $\vdash$ | -             |          | Н         |  |
|          | 37                         | -        | $\vdash$      | $\vdash$     | <del> </del> | $\vdash$     | $\vdash$ |               | _        | Н         |  |
|          | 38                         |          |               | <b>-</b>     |              | М            |          | $\overline{}$ | -        | М         |  |
|          | 39                         |          |               |              |              |              |          |               |          |           |  |
|          | 40                         |          |               |              |              |              |          |               | Ξ        |           |  |
|          | 41                         | L        | <u> </u>      | L_           | L            |              | L_       | _             | _        |           |  |
| <u> </u> | 42                         | _        | L             | <u> </u>     | $\vdash$     | <u> </u>     | <u> </u> |               | <u> </u> | Ш         |  |
|          | 43<br>44                   | ⊢        |               | ⊢            | $\vdash$     | Н            | _        | -             | _        | Н         |  |
|          | 45                         | -        | -             |              | ├            | -            |          | H             | -        | Н         |  |
|          | 46                         | ├-       | -             | ┢            |              | -            | _        | $\vdash$      | -        | Н         |  |
|          | 47                         | $\vdash$ | -             | 一            | $\vdash$     | -            | -        | -             | _        | Н         |  |
|          | 48                         | М        | _             |              | М            |              |          | Н             |          | М         |  |
|          | 49                         |          |               |              |              |              |          |               |          |           |  |
|          | 50                         |          | Г             |              |              |              |          | $\overline{}$ |          |           |  |

| Cla      | im       |          |        |              | -        | Date   | €  |              |                |              | l l | Cla   | im       |          |        |        | [ | Date     | •        |          |          |   |
|----------|----------|----------|--------|--------------|----------|--|--|--------------|----------------|--------------|-----|-------|----------|----------|--------|--------|---|----------|----------|----------|----------|---|
|          | Original | 5/11/06  |        |              |          |  |  |              |                |              |     | Final | Original |          |        |        |   |          |          |          |          |   |
| T        | 1        | 1        | _      | _            | Г        | $\vdash$   |  |              |                | Т            | ii  |       | 51       |          |        |        |   |          | Т        | $\vdash$ |          |   |
|          | 2        | 7        |        |              |          |  |  |              |                |              | l   |       | 52       |          |        |        |   |          |          |          |          |   |
|          | 3        | 1        |        |              |          |  |  |              |                |              | ] [ |       | 53       |          |        |        |   |          |          |          |          |   |
|          | 4        | 1        |        | _            | _        | L  | _  | _            | L.             |              | ! ! |       | 54       |          |        |        |   |          |          |          |          |   |
| _        | 5        | 7        |        |              |          |  | <u> </u>   | _            |                |              |     |       | 55       |          |        |        |   |          |          |          |          |   |
| _        | 6        | 1        |        |              |          |  |  | _            |                |              |     |       | 56       |          |        |        |   |          |          |          |          |   |
| _        | 7        | 7        |        |              | ļ        | ļ  | <u> </u>   | <u> </u>     | -              | _            |     |       | 57       | $\vdash$ |        |        |   |          | _        | _        |          |   |
| _        | 8        | 77       | _      | <u> </u>     | -        | <u> </u>   | <u> </u>   | -            |                | ļ            |     |       | 58       |          |        |        |   |          | Н        |          |          | _ |
| -        | 9        | 1        | _      | _            | -        | ├  | _  | ┝            |                |              |     |       | 59<br>60 |          | -      | _      |   |          |          |          |          |   |
| _        | 11       | 7        |        | ┝            |          | <del>                                     </del> | $\vdash$   | $\vdash$     | -              | -            |     |       | 61       | Н        | -      | -      |   |          | -        | -        |          |   |
| _        | 12       | 7        |        | $\vdash$     | ┝        | Н  | $\vdash$   | -            | -              | _            |     |       | 62       |          |        |        |   | _        | $\vdash$ |          |          |   |
| H        | 13       | Ì        | -      | <del> </del> | -        | Н  | -  | ļ            |                |              | 1   |       | 63       |          |        |        |   |          |          | -        | -        | - |
| _        | 14       | 7        | _      | _            | $\vdash$ |  | _  | _            |                |              |     |       | 64       |          |        | $\neg$ |   |          | Н        | Н        | Н        | Н |
|          | 15       | 7        | _      |              | $\vdash$ |  | _  | ┢            | $\vdash$       |              |     |       | 65       |          |        | $\neg$ |   |          | _        |          |          | - |
|          | 16       | 1        |        |              |          |  |  | Г            | _              |              |     |       | 66       |          |        |        |   |          | $\neg$   |          |          |   |
|          | 17       | 1        |        |              |          |  |  |              |                |              | 1 1 |       | 67       |          |        |        |   |          |          |          |          |   |
|          | 18       | 1        |        |              |          |  |  |              |                |              |     |       | 68       |          |        |        |   |          |          |          |          |   |
|          | 19       | 1        |        |              |          |  |  |              |                |              |     |       | 69       |          |        |        |   |          |          |          |          |   |
|          | 20       | 1        |        |              |          |  |  |              |                |              |     |       | 70       |          |        |        |   |          |          |          |          |   |
|          | 21_      | 1        |        |              |          |  |  |              |                |              |     |       | 71       |          |        |        |   |          |          |          |          |   |
| _        | 22       |          |        |              |          |  |  |              | L              |              |     |       | 72       |          |        |        |   |          |          |          |          |   |
|          | 23       | -        |        |              | L        | _  | _  | <u> </u>     |                | _            |     |       | 73       |          |        |        |   |          |          |          |          |   |
|          | 24       | -        |        |              |          |  | _  | <u> </u>     | _              | _            |     |       | 74       | Ш        |        | _      |   |          | Ш        |          |          |   |
| _        | 25       | 7        |        |              |          | <u> </u>   | <u> </u>   | <u> </u>     | <u> </u>       | <u> </u>     |     |       | 75       |          | $\Box$ |        |   |          |          | _        |          |   |
| -        | 26<br>27 | 7        | _      | -            |          | H  | _  | <del> </del> | ├              | <del> </del> |     |       | 76<br>77 | H        | _      | _      |   |          | Н        |          |          |   |
|          | 28       | 7        |        |              |          | $\vdash$   | _  | -            | ┝              | ┝            |     |       | 78       |          | -      |        |   | -        |          | $\vdash$ | _        |   |
| -        | 29       | _        |        | _            | _        | $\vdash$   | ┝  | ┝╾           | ├              | ├─           |     |       | 79       |          |        | -      |   |          | -        |          |          | - |
| $\dashv$ | 30       |          |        | _            |          | $\vdash$   | -  | ┢            | -              | ┢            | 1   |       | 80       | H        | =      | _      |   | -        | -        | $\vdash$ |          | - |
|          | 31       |          |        | _            | -        |  | <del>                                     </del> | -            | -              | ┢            |     |       | 81       | Н        |        | $\neg$ |   |          | -        |          | -        |   |
| _        | 32       |          | -      |              | $\vdash$ |  | $\vdash$   | 1            |                | $\vdash$     |     |       | 82       | $\vdash$ |        | $\neg$ |   |          | Н        |          |          |   |
|          | 33       |          |        |              |          |  | -  | -            | -              |              |     |       | 83       |          |        |        |   |          |          |          |          |   |
|          | 34       |          |        |              |          |  |  |              |                |              | 1 1 |       | 84       |          |        |        |   |          |          |          |          |   |
|          | 35       |          |        |              |          |  |  |              |                |              |     |       | 85       |          |        |        |   |          |          |          |          |   |
|          | 36       |          |        |              |          |  |  |              |                |              |     |       | 86       |          |        |        |   |          |          |          |          |   |
|          | 37       |          |        |              |          | L  |  | L            |                | L            |     |       | 87       |          |        |        |   |          |          |          |          |   |
|          | 38       |          |        | _            | <u> </u> | <u> </u>   | <u> </u>   | _            |                |              |     |       | 88       |          |        | _      |   |          |          |          |          |   |
|          | 39       |          | _      | _            | _        | <u> </u>   | <u> </u>   | _            | _              | _            |     |       | 89       |          | _      |        |   |          |          | _        |          |   |
| 4        | 40       | _        |        | _            | <u> </u> | <b> </b>   | <u> </u>   | _            |                | <u> </u>     |     |       | 90<br>91 |          |        |        |   |          |          |          |          |   |
| 4        | 41       |          |        |              | <u> </u> | H  | <u> </u>   | <u> </u>     | <u> </u>       |              |     |       |          | _        |        | -      |   |          |          | _        | _        |   |
| -        | 42<br>43 | _        | _      |              | ┝        | <u> </u>   | ├  |              | ├              |              |     |       | 92<br>93 | Н        | _      | -      | _ |          |          | _        | _        |   |
| ᅱ        | 44       | $\vdash$ | _      | _            | ⊢        |  | $\vdash$   | ├            | _              | ┝            |     |       | 94       | Н        | -      |        | _ | ⊢        |          |          | Н        | _ |
| ᅥ        | 45       | _        |        | _            | ┝一       | -  | -  | H            | -              | ┝            |     |       | 95       |          |        |        | _ | $\vdash$ |          | -        | Н        | - |
| $\dashv$ | 46       | -        |        | -            | $\vdash$ |  | $\vdash$   | $\vdash$     | <del> </del> - | ┢            |     |       | 96       | $\vdash$ |        | _      | _ | -        | H        | -        | $\vdash$ | - |
|          | 47       |          | $\neg$ | $\vdash$     | $\vdash$ |  | $\vdash$   | _            | $\vdash$       | ┢            |     |       | 97       | $\vdash$ | Н      |        | _ | $\vdash$ |          |          |          | Н |
| $\dashv$ | 48       |          |        |              | Г        |  |  | Г            | Г              | Г            |     |       | 98       | Н        |        |        |   |          | $\vdash$ |          | М        |   |
|          | 49       |          |        |              |          |  |  |              |                |              |     |       | 99       |          |        |        |   |          |          |          |          |   |
|          | 50       |          |        |              |          |  |  |              |                |              | ] [ |       | 100      |          |        |        |   |          |          |          |          |   |
|          |          |          |        |              |          |  |  |              |                |              |     |       |          |          | _      |        |   |          |          |          |          |   |

| Cla   | aim               | Date     |          |          |          |          |              |          |              |                 |
|-------|-------------------|----------|----------|----------|----------|----------|--------------|----------|--------------|-----------------|
|       |                   |          |          |          |          |          | Γ            |          |              |                 |
| Final | Original          |          |          |          |          |          |              |          |              |                 |
|       | 101<br>102        |          |          |          |          |          |              |          |              |                 |
|       | 102               |          |          |          |          |          |              |          |              |                 |
|       | 103               |          |          |          |          |          |              |          |              |                 |
|       | 104<br>105        |          |          |          |          |          |              |          |              |                 |
|       | 105               |          |          |          |          |          | L            | _        |              |                 |
|       | 106               |          |          | Ш        |          | Ш        | _            | _        |              |                 |
|       | 107<br>108        |          |          |          |          |          | <u> </u>     |          | L            | Ш               |
|       | 108               |          | _        | Щ        | _        |          | <u> </u>     |          | <u> </u>     |                 |
|       | 109               |          |          |          |          |          | ļ.           |          | <u> </u>     |                 |
|       | 110               |          |          |          |          | _        | _            |          | <u> </u>     | Н               |
|       | 111               |          | _        |          |          | <u> </u> | -            |          | <u> </u>     | $\vdash$        |
|       | 112<br>113        | $\vdash$ |          | $\vdash$ | $\vdash$ | -        | -            |          |              | $\vdash \vdash$ |
|       | 113               | H        | -        | -        | <u> </u> | <u> </u> |              | $\vdash$ | $\vdash$     | Н               |
|       | 114               |          | <u> </u> |          |          |          | <del> </del> | _        | H            | $\vdash\vdash$  |
|       | 115<br>116        | $\vdash$ | -        | <u> </u> |          | <b> </b> | <u> </u>     |          | ⊢            | Н               |
|       | 117               |          | _        | H        |          |          |              |          | $\vdash$     | $\vdash$        |
|       | 110               | _        |          |          | _        | _        | -            | _        | -            | -               |
|       | 118<br>119        |          | -        | $\vdash$ |          |          |              |          | _            | $\vdash$        |
|       | 120               |          | $\vdash$ | $\vdash$ | _        |          | -            |          |              | Н               |
|       | 120<br>121        |          |          | $\vdash$ |          |          | -            |          |              | $\vdash$        |
|       | 122               |          |          | H        |          |          | -            |          |              | $\vdash$        |
|       | 122               | _        |          | -        |          | _        |              |          | <del> </del> | Н               |
|       | 123<br>124<br>125 |          |          |          |          |          | -            | _        | -            | H               |
|       | 125               |          | _        |          |          |          |              |          | -            | Н               |
|       | 126               |          |          |          | -        |          |              | -        | -            | $\vdash$        |
|       | 126<br>127        | _        | _        |          |          |          |              |          | $\vdash$     | H               |
|       | 128               |          |          |          |          |          |              |          | $\vdash$     | $\equiv$        |
|       | 128<br>129        |          | _        |          |          |          | -            | _        | $\vdash$     | $\vdash$        |
|       | 130               |          |          |          |          | _        | _            |          | $\vdash$     | $\vdash$        |
|       | 131               |          |          |          |          |          | ┢            | _        | _            | Н               |
|       | 131<br>132        |          |          |          |          | П        |              |          |              | П               |
|       | 133               |          | -        | _        | _        |          |              | П        |              | Н               |
|       | 134<br>135        |          |          |          |          |          |              |          |              |                 |
|       | 135               |          |          |          |          |          |              |          |              |                 |
|       | 136               |          |          |          |          |          |              |          |              |                 |
|       | 137               |          |          |          |          |          |              |          |              |                 |
|       | 138               |          |          |          |          | ,        |              |          |              |                 |
|       | 139               |          |          |          |          |          |              |          |              |                 |
|       | 140               |          |          |          |          |          |              |          |              |                 |
|       | 141               | L        | <u> </u> |          |          | _        |              |          |              |                 |
|       | 142               | L.       | _        | _        |          |          | <u> </u>     | _        | <u> </u>     | Ш               |
|       | 143               | L.       | L_       |          | _        | _        | <u> </u>     | L_       | <u> </u>     | Ш               |
|       | 144               | <u> </u> | L_       | Ш        | L        | L        | <u> </u>     | Щ        | L_           | Ш               |
|       | 145               |          | <u> </u> | $\sqcup$ | L        | L_       | <u> </u>     |          | <u> </u>     | Ш               |
|       | 146               | <u> </u> | <u> </u> | L        | L        |          | <u> </u>     | L        | <u> </u>     | Ш               |
|       | 147               | <u> </u> | <u> </u> | <u> </u> | Ш        | <u>_</u> | _            |          | <u> </u>     | Ш               |
|       | 148               | L_       | <u> </u> |          | L_       |          |              | L_       | L            | Ш               |
|       | 149               | <u> </u> | <u> </u> | <u> </u> |          | L_       | L_           | Ш        |              | Щ               |
| ا     | 150               | L.,      | <u> </u> | $\sqcup$ | L        | L        |              | L        | L_           | $oxed{oxed}$    |